The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Ritchey 1-27-1

10650

SGS Job Number: DA74060

Sampling Date: 07/31/25

Report to:

Chevron USA, Inc.
2115 117th Avenue
Greeley, CO 80634
parna.eskandaripayandeh@sgs.com

ATTN: AJ Englehardt

Total number of pages in report: **66**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021
Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

Sections: 1 2 3 4 5 6 7 8 9 10 11

Table of Contents

Sample Summary

Chevron USA, Inc.

Job No: DA74060

TASMCOA: Ritchey 1-27-1
Project No: 10650

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA74060-1	07/31/25	11:10	WR	07/31/25	SO	Soil	FL01R-W@3'
DA74060-1A	07/31/25	11:10	WR	07/31/25	SO	Soil	FL01R-W@3'
DA74060-1B	07/31/25	11:10	WR	07/31/25	SO	Soil	FL01R-W@3'

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA74060
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1
Collected: 07/31/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74060-1	**FL01R-W@3'**					
TPH-DRO (C10-C28)		48.3	4.4	4.2	mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		118	6.6	5.5	mg/kg	SW846-8015C
Arsenic		1.5	0.11		mg/kg	SW846 6020B
Barium		44.8	1.1		mg/kg	SW846 6020B
Cadmium		0.34	0.055		mg/kg	SW846 6020B
Copper		7.7	1.1		mg/kg	SW846 6020B
Lead		20.9	0.27		mg/kg	SW846 6020B
Nickel		3.7	1.1		mg/kg	SW846 6020B
Zinc		22.9	5.5		mg/kg	SW846 6020B
pH		7.52			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.4	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74060-1A	**FL01R-W@3'**					
Calcium		59.2	6.0		mg/l	SW846 6010C
Magnesium		22.8	3.0		mg/l	SW846 6010C
Sodium		197	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.51			ratio	USDA HANDBOOK 60
DA74060-1B	**FL01R-W@3'**					

No hits reported in this sample.

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
Method:	SW846 8260B	**Percent Solids:**	90.8
Project:	TASMCOA: Ritchey 1-27-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62724.D	1	08/04/25 20:45	MB	n/a	n/a	V6V2982
Run #2							

	Initial Weight	Final Volume
Run #1	5.17 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	0.00053	mg/kg	
108-88-3	Toluene	ND	0.0021	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0021	0.00096	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0021	0.00096	mg/kg	
	m,p-Xylene	ND	0.0021	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0021	0.00075	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	0.0019	mg/kg	
	TPH-GRO (C6-C10)	ND	0.21	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	90.8
Project:	TASMCOA: Ritchey 1-27-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G58775.D	1	08/06/25 08:56	TH	08/05/25 13:00	OP28193	E3G2853
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0043	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0043	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0054	0.0032	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0043	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0043	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0043	0.0022	mg/kg	
218-01-9	Chrysene [a]	ND	0.0043	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0043	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0043	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0043	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0043	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0043	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	129%		10-130%
4165-60-0	Nitrobenzene-d5	132% [b]		10-130%
1718-51-0	Terphenyl-d14	135% [b]		10-130%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Surrogate recovery is above control limits. Since the bias is high and the sample is non-detect no further action is required.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	90.8
Project:	TASMCOA: Ritchey 1-27-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW45900.D	1	08/05/25 01:59	JB	08/04/25 10:00	OP28200	GLW1066
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	48.3	4.4	4.2	mg/kg	
	TPH-ORO (> C28-C36)	118	6.6	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		20-142%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FL01R-W@3'
Lab Sample ID: DA74060-1
Matrix: SO - Soil
Project: TASMCOA: Ritchey 1-27-1

Date Sampled: 07/31/25
Date Received: 07/31/25
Percent Solids: 90.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.11	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	44.8	1.1	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.34	0.055	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.7	1.1	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	20.9	0.27	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.7	1.1	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.055	0.055	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	22.9	5.5	mg/kg	5	08/04/25	08/06/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19440
(2) Prep QC Batch: MP42185

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
		Percent Solids:	90.8
Project:	TASMCOA: Ritchey 1-27-1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	90.8		%	1	08/04/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.52		su	1	08/09/25 14:30	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.4	0.0010	mmhos/cm	1	08/09/25 12:00	TMP	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	08/12/25 10:01	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1A	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
		Percent Solids:	90.8
Project:	TASMCOA: Ritchey 1-27-1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	59.2	6.0	mg/l	1	08/08/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	22.8	3.0	mg/l	1	08/08/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	197	6.0	mg/l	1	08/08/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42266

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1A	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
		Percent Solids:	90.8
Project:	TASMCOA: Ritchey 1-27-1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.51		ratio	1	08/11/25 16:49	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@3'		
Lab Sample ID:	DA74060-1B	**Date Sampled:**	07/31/25
Matrix:	SO - Soil	**Date Received:**	07/31/25
		Percent Solids:	90.8
Project:	TASMCOA: Ritchey 1-27-1		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/04/25	08/08/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19454
(2) Prep QC Batch: MP42184

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021
www.sgs.com/ehsusa

Page 1 of 1

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA 74060

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence Street
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: AJ Engelhardt (aengelhardt@tasman-geo.com)
Phone: (303) 808-3515
Email: Tas-Chevron-3@tasman-geo.com & RBUEUF27@chevron.com
Sampler(s) Name(s): Will Runge

Project Information

Project Name: Ritchey 1-27-1
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 10650
Client Purchase Order #: UWRWE-A4341-AES
Project Manager: AJ Engelhardt (aengelhardt@tasman-geo.com)

Billing Information (if different from Report to)

Company: Noble Energy
Street Address:
City, State ZIP:
Attention: Erica Zuniga

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	NaHSO3	915-VOC	915-PAH	915-TPH	pH, EC, SAR	Boron	*915-Metals	LAB USE ONLY
01 FLAIR-WE3'	7/31/25	1110	WR	SO	4	X										X	X	X	X	X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
D=dissolved metals
PD=Potentially dissolved
TR=Total recoverable

Turnaround Time (Business days)

☒ 10 Business Days
☐ 5 Business Days
☐ 3 Business Days RUSH
☐ 2 Business Days RUSH
☐ 1 Business Day EMERGENCY
Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions

☐ Report in PPB
☐ Report in PPM
☐ Report MDLs

Data Deliverable Information

☐ Commercial "A" (Level 1, Results Only)
☐ Commercial "B" (Level 2, Results + QC Summary)
☐ COMMBN (Results/QC/Narrative)
☐ COMMBN+ [Results/QC/Narrative (+ chromatograms)]
☐ REDT2 (Results/QC Summary/partial raw data)
☐ FULT1
☒ EDD Format: Tasman

Comments / Special Instructions

*915-Metals: Arsenic, Barium, Cadmium, Chromium (VI), Copper, Lead, Nickel, Selenium, Silver and Zinc

Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS delivery.

Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1 Will Runge	7/31/25 1250	1	2		2
Relinquished by/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
3		3	4		4

Custody Seal #: Intact ☑ Not intact ☐ Absent ☐
Preserved where applicable ☑ Cooler Temp. °C (corrected): 3.1 Therm. ID: 1086 On Ice ☑

http://www.sgs.com/en/terms-and-conditions

FORM: EHSA-QAC-0027-03-FORM-Wheat Ridge - COC, RV 2/20/2025

SGS Sample Receipt Summary

Job Number: da74060 **Client:** TASMAN **Project:** RITCHIEY 1-27-1

Date / Time Received: 7/31/2025 12:50:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.1);

Cooler Informatio	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑

	W	or	S	N/A
3. Type of TB Received	☐		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Suffiient volume/containers recv'd for analysi	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample labe	☐		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☐
11. % Solids Jar Received?	☐		☐	☐
12. Residual Chlorine Present?	☐		☐	☐

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals

Test Strip Lot #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 7/31/2025 12:51:07 PM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2982-MB	6V62711.D	1	08/04/25	MB	n/a	n/a	V6V2982

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA74060-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.90	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.90	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	120	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

Blank Spike Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2982-BS	6V62709.D	1	08/04/25	MB	n/a	n/a	V6V2982

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA74060-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	48.0	96	70-130
100-41-4	Ethylbenzene	50	49.5	99	70-130
108-88-3	Toluene	50	48.1	96	70-130
95-63-6	1,2,4-Trimethylbenzene	50	54.1	108	70-130
108-67-8	1,3,5-Trimethylbenzene	50	54.0	108	70-130
	m,p-Xylene	100	99.7	100	70-130
95-47-6	o-Xylene	50	50.7	101	70-130
1330-20-7	Xylene (total)	150	150	100	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2982-BS	6V62710.D	1	08/04/25	MB	n/a	n/a	V6V2982

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA74060-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1800	90	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	92%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74069-4MS	6V62714.D	1	08/04/25	MB	n/a	n/a	V6V2982
DA74069-4MSD	6V62715.D	1	08/04/25	MB	n/a	n/a	V6V2982
DA74069-4	6V62712.D	1	08/04/25	MB	n/a	n/a	V6V2982

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA74060-1

CAS No.	Compound	DA74069-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		47.9	43.7	91	47.7	44.1	93	1	43-130/30
100-41-4	Ethylbenzene	ND		47.9	43.0	90	47.7	43.0	90	0	15-145/30
108-88-3	Toluene	ND		47.9	44.1	92	47.7	44.0	92	0	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		47.9	41.3	86	47.7	41.5	87	0	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		47.9	40.8	85	47.7	41.3	87	1	6-159/30
	m,p-Xylene	ND		95.9	85.6	89	95.3	86.1	90	1	21-142/30
95-47-6	o-Xylene	ND		47.9	42.9	89	47.7	43.1	90	0	25-140/30
1330-20-7	Xylene (total)	ND		144	128	89	143	129	90	1	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74069-4	Limits
1868-53-7	Dibromofluoromethane	95%	101%	101%	70-130%
2037-26-5	Toluene-D8	100%	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	106%	106%	104%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	106%	107%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74069-5MS	6V62716.D	1	08/04/25	MB	n/a	n/a	V6V2982
DA74069-5MSD	6V62717.D	1	08/04/25	MB	n/a	n/a	V6V2982
DA74069-5	6V62713.D	1	08/04/25	MB	n/a	n/a	V6V2982

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA74060-1

CAS No.	Compound	DA74069-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		1880	1160	62	2010	1160	58		5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74069-5	Limits
1868-53-7	Dibromofluoromethane	97%	96%	99%	70-130%
2037-26-5	Toluene-D8	98%	98%	100%	70-130%
460-00-4	4-Bromofluorobenzene	100%	103%	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	104%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28193-MB	3G58751.D	1	08/05/25	TH	08/05/25	OP28193	E3G2853

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA74060-1

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.0	2.0	ug/kg	
120-12-7	Anthracene	ND	4.0	2.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	3.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	2.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	2.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	2.0	ug/kg	
218-01-9	Chrysene	ND	4.0	2.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	2.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	2.0	ug/kg	
86-73-7	Fluorene	ND	4.0	2.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	2.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	1.5	ug/kg	
129-00-0	Pyrene	ND	4.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	103%	10-130%
4165-60-0	Nitrobenzene-d5	100%	10-130%
1718-51-0	Terphenyl-d14	120%	10-130%

Blank Spike Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28193-BS	3G58752.D	1	08/05/25	TH	08/05/25	OP28193	E3G2853

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA74060-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	239	120	31-130
120-12-7	Anthracene	200	235	118	46-134
56-55-3	Benzo(a)anthracene	200	249	125	52-135
205-99-2	Benzo(b)fluoranthene	200	233	117	50-136
207-08-9	Benzo(k)fluoranthene	200	269	135* [a]	52-134
50-32-8	Benzo(a)pyrene	200	254	127	50-130
218-01-9	Chrysene	200	272	136* [a]	51-131
53-70-3	Dibenzo(a,h)anthracene	200	247	124	49-136
206-44-0	Fluoranthene	200	243	122	51-137
86-73-7	Fluorene	200	250	125	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	246	123	50-139
90-12-0	1-Methylnaphthalene	200	253	127	18-130
91-57-6	2-Methylnaphthalene	200	224	112	16-130
91-20-3	Naphthalene	200	239	120	5-130
129-00-0	Pyrene	200	246	123	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	113%	10-130%
4165-60-0	Nitrobenzene-d5	112%	10-130%
1718-51-0	Terphenyl-d14	119%	10-130%

(a) Outside control limits biased high. Sample result is non-detect.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28193-MS	3G58753.D	1	08/05/25	TH	08/05/25	OP28193	E3G2853
OP28193-MSD	3G58754.D	1	08/06/25	TH	08/05/25	OP28193	E3G2853
DA74060-1	3G58775.D	1	08/06/25	TH	08/05/25	OP28193	E3G2853

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA74060-1

CAS No.	Compound	DA74060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		208	268	129	208	293	141* [a]	9	12-130/52
120-12-7	Anthracene	ND		208	282	136* [a]	208	305	147* [a]	8	31-130/60
56-55-3	Benzo(a)anthracene	ND		208	290	140* [a]	208	310	149* [a]	7	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		208	291	140	208	303	146	4	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		208	272	131* [a]	208	305	147* [a]	11	30-130/60
50-32-8	Benzo(a)pyrene	ND		208	290	140	208	304	146	5	10-179/60
218-01-9	Chrysene	ND		208	300	144* [a]	208	322	155* [a]	7	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		208	291	140* [a]	208	321	154* [a]	10	20-138/60
206-44-0	Fluoranthene	ND		208	273	131* [a]	208	300	144* [a]	9	32-130/60
86-73-7	Fluorene	ND		208	276	133* [a]	208	297	143* [a]	7	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		208	294	141	208	324	156* [a]	10	17-148/60
90-12-0	1-Methylnaphthalene	ND		208	281	135* [a]	208	286	138* [a]	2	10-130/41
91-57-6	2-Methylnaphthalene	ND		208	250	120	208	258	124	3	14-130/40
91-20-3	Naphthalene	ND		208	277	133* [a]	208	283	136* [a]	2	10-130/40
129-00-0	Pyrene	ND		208	297	143* [a]	208	308	148* [a]	4	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA74060-1	Limits
321-60-8	2-Fluorobiphenyl	126%	127%	129%	10-130%
4165-60-0	Nitrobenzene-d5	125%	129%	132%* [b]	10-130%
1718-51-0	Terphenyl-d14	131%* [c]	141%* [c]	135%* [b]	10-130%

(a) Outside control limits due to matrix interference. Refer to Blank Spike.
(b) Surrogate recovery is above control limits. Since the bias is high and the sample is non-detect no further action is required.
(c) Surrogate recovery is above control limits. Since the bias is high and the method blank is non-detect, no further action is needed.

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28200-MB	LW45878.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA74060-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	3.8	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	20-142%

Blank Spike Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28200-BS	LW45879.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA74060-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	172	86	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	95%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28200-BS2	LW45880.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA74060-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	179	90	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28200-MS1	LW45881.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066
OP28200-MSD1	LW45882.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066
DA74027-1	LW45885.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA74060-1

CAS No.	Compound	DA74027-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		221	182	82	226	186	82	2	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74027-1	Limits
84-15-1	o-Terphenyl	92%	86%	77%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74060
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28200-MS2	LW45883.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066
OP28200-MSD2	LW45884.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066
DA74027-2	LW45886.D	1	08/04/25	JB	08/04/25	OP28200	GLW1066

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA74060-1

CAS No.	Compound	DA74027-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	ND		240	211	88	234	214	91	1	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74027-2	Limits
84-15-1	o-Terphenyl	78%	79%	82%	20-142%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/04/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	-11	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP42184: DA74060-1B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/04/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			08/04/25					08/04/25	
Metal	DA74069-12B Original	DUP	RPD	QC Limits	DA74069-12B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	167	103	47.4 (a)	0-20	167	9940	10000	97.7	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP42184: DA74060-1B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/04/25 08/04/25

Metal	DA74069-12B Original DUP	RPD	QC Limits	DA74069-12B Original MS	Spikelot ICPALL6	% Rec	QC Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/04/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9060	10000	90.6	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42184: DA74060-1B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/04/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/04/25

Metal	DA74069-12B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	33.3	26.5	20.4 (a)	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42184: DA74060-1B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42184 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/04/25

	DA74069-12B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42185 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/04/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.015	<0.10
Barium	1.0	.048	.12	0.017	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	0.0033	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	-0.21	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	-0.028	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.0087	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.00088	<0.20
Silver	0.050	.0041	.015	-0.0012	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	-0.28	<5.0

Associated samples MP42185: DA74060-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42185 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/04/25

Metal	DA74039-2 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	5.6	104	115	85.8	75-125
Barium	112	345	229	101.5	75-125
Beryllium					
Boron					
Cadmium	0.22	53.6	57.4	93.0	75-125
Calcium					
Chromium					
Cobalt					
Copper	8.5	58.8	57.4	87.7	75-125
Iron					
Lead	9.7	120	115	96.1	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	12.4	63.1	57.4	88.4	75-125
Phosphorus					
Potassium					
Selenium	0.30	99.4	115	86.4	75-125
Silver	0.062	21.3	22.9	92.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	33.1	84.6	57.4	89.8	75-125

Associated samples MP42185: DA74060-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42185 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/04/25

Metal	DA74039-2 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	5.6	112	120	88.3	7.4	20
Barium	112	346	241	97.1	0.3	20
Beryllium						
Boron						
Cadmium	0.22	57.3	60.2	94.8	6.7	20
Calcium						
Chromium						
Cobalt						
Copper	8.5	62.9	60.2	90.3	6.7	20
Iron						
Lead	9.7	127	120	97.4	5.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel	12.4	66.6	60.2	90.0	5.4	20
Phosphorus						
Potassium						
Selenium	0.30	104	120	86.1	4.5	20
Silver	0.062	22.7	24.1	93.9	6.4	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	33.1	86.1	60.2	88.0	1.8	20

Associated samples MP42185: DA74060-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42185
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 08/04/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	93.4	100	93.4	80-120
Barium	191	200	95.5	80-120
Beryllium				
Boron				
Cadmium	47.2	50	94.4	80-120
Calcium				
Chromium				
Cobalt				
Copper	47.7	50	95.4	80-120
Iron				
Lead	97.8	100	97.8	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	47.4	50	94.8	80-120
Phosphorus				
Potassium				
Selenium	94.1	100	94.1	80-120
Silver	18.7	20	93.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	45.7	50	91.4	80-120

Associated samples MP42185: DA74060-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42185
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 08/04/25

Metal	DA74039-2 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	46.6	50.7	8.6	0-20
Barium	933	949	1.7	0-20
Beryllium				
Boron				
Cadmium	1.84	1.61	12.7	0-20
Calcium				
Chromium				
Cobalt				
Copper	70.8	64.8	8.5	0-20
Iron				
Lead	80.4	80.8	0.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	103	108	5.2	0-20
Phosphorus				
Potassium				
Selenium	2.46	2.29	6.6	0-20
Silver	0.514	0.360	29.9 (a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	275	289	5.2	0-20

Associated samples MP42185: DA74060-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/08/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	-220	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	-30	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	255	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP42266: DA74060-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/08/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

Metal	DA74061-2A Original MS		Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	74100	481000	375000	108.5	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	32300	433000	375000	106.9	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	78900	477000	375000	106.2	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP42266: DA74060-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

	DA74061-2A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

Metal	DA74061-2A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	74100	478000	375000	107.7	0.6	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	32300	431000	375000	106.3	0.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	78900	478000	375000	106.4	0.2	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP42266: DA74060-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

Metal	DA74061-2A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	393000	375000	104.8	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	387000	375000	103.2	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	393000	375000	104.8	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42266: DA74060-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

Metal	DA74061-2A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	4940	4300	13.0*(a)	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	2150	1880	12.8*(a)	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	5260	4670	11.2*(a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42266: DA74060-1A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

QC Batch ID: MP42266 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/08/25

	DA74061-2A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39181/GN68364			mmhos/cm	1.409	1.4	102.2	90-110%

Associated Samples:
Batch GP39181: DA74060-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74060
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39181/GN68364	DA74069-2	mmhos/cm	1.1	1.1	0.1	0-20%
pH	GN68370	DA74069-32	su	7.71	7.73	0.3	0-5%

Associated Samples:
Batch GN68370: DA74060-1
Batch GP39181: DA74060-1
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA74060

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City: Wheat Ridge, State: CO, Zip: 8003:
Project Contact: E-mail: parna.eskandaripayandeh@sgs.com
Phone #: 303-425-6021 Fax #:
Sampler(s) Name(s): WR Phone:

Project Information

Project Name: TASMCOA: Ritchey 1-27-1
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	FL01R-W@3'		7/31/25	11:10:00 AM	WR	SO										X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 8/11/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	8-1-25	1 Fedex	2 Fedex	8/1/25 9:00	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp:
5		5	Intact / Not intact	Therm. ID:		2.7, 3.4, 1.6

10.1 10

DA74060: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA74060 **Client:** SGS NORTH AMERICA INC. **Project:** TASMCOA: RITCHEY 1-27-1

Date / Time Received: 8/2/2025 9:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.7); Cooler 2: (3.4); Cooler 3: (1.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.7); Cooler 2: (3.4); Cooler 3: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

10.1 10

DA74060: Chain of Custody
Page 2 of 2

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74060
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey 1-27-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP63113/GN72067	0.40	0.0	mg/kg	40	39.1	97.8(a)	80-120%
Chromium, Hexavalent	GP63113/GN72067			mg/kg	843	828	98.2(b)	80-120%

Associated Samples:
Batch GP63113: DA74060-1
(*) Outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (108.0%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74060
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey 1-27-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP63113/GN72067	DA74060-1	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP63113: DA74060-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74060
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey 1-27-1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP63113/GN72067	DA74060-1	mg/kg	0.0	45.3	44.4	98.0(a)	75-125%
Chromium, Hexavalent	GP63113/GN72067	DA74060-1	mg/kg	0.0	961	981	102.1(b)	75-125%

Associated Samples:
Batch GP63113: DA74060-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (108.0%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.